

WHAT IS CLAIMED IS:

1. A graphical user interface application for rendering graphical elements that are characterized by a plurality of element characteristics in an image rendering space on a display screen, said graphical user interface comprising:

5 a selection interface comprising a plurality of selectable graphical identifiers each of which is associated with a respective one or more of said plurality of element characteristics and associated with a different unique rendering color that is used when rendering said respective selectable graphical identifier when said respective one or more of said plurality of
10 element characteristics associated with said respective selectable graphical identifier is selected for display;

an input interface which detects selection of any of said respective plurality of selectable graphical identifiers; and

15 a rendering function which, for each detected selected graphical identifier, renders elements characterized by said respective one or more of said plurality of element characteristics associated with said selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said selected graphical identifier.

20 2. A graphical user interface application in accordance with claim 1, wherein:

25 upon detection by said input interface of a newly selected one of any of said plurality of selectable graphical identifiers that are not currently selected, said rendering function renders elements characterized by said respective one or more of said plurality of element characteristics associated with said newly selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said newly selected graphical identifier.

30 3. A graphical user interface application in accordance with claim 2, wherein:

said rendering function re-renders said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

4. A graphical user interface application in accordance with claim 1, wherein:

upon detection by said input interface of de-selection of any currently selected graphical identifiers, said rendering function removes from said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers.

5. A graphical user interface application in accordance with claim 4, wherein:

said rendering function re-renders said de-selected graphical identifier using a default color.

6. A graphical user interface application in accordance with claim 3, wherein:

upon detection by said input interface of de-selection of any currently selected graphical identifiers, said rendering function removes from said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers.

7. A graphical user interface application in accordance with claim 6, wherein:

said rendering function re-renders said de-selected graphical identifier using a default color.

8. A graphical user interface application in accordance with claim 1, wherein:

20 said rendering function renders any element that is not characterized
by said respective one or more of said plurality of element characteristics
associated with any of said selected graphical identifiers in said image
rendering space of said display screen using a default rendering color that is
different from any of said different unique rendering colors associated with
any of said selected graphical identifiers.

25 9. A graphical user interface application in accordance with claim 8,
wherein:

 upon detection by said input interface of a newly selected one of any
of said plurality of selectable graphical identifiers that are not currently
selected, said rendering function re-renders elements characterized by said
30 respective one or more of said plurality of element characteristics associated
with said newly selected graphical identifier in said image rendering space of
said display screen using said different unique rendering color associated
with said newly selected graphical identifier.

35 10. A graphical user interface application in accordance with claim 9,
wherein:

 said rendering function re-renders said newly selected graphical
identifier using said different unique rendering color associated with said
newly selected graphical identifier.

40 11. A graphical user interface application in accordance with claim 9,
wherein:

 upon detection by said input interface of de-selection of any currently
selected graphical identifiers, said rendering function re-renders in said
45 image rendering space of said display screen any element that is not
characterized by said respective one or more of said plurality of element
characteristics associated with any of said selected graphical identifiers
using said default rendering color.

50 12. A graphical user interface application in accordance with claim
11, wherein:

said rendering function re-renders said de-selected graphical identifier using said default color.

55 13. A graphical user interface displayable on a display screen, comprising:

 a user selection menu comprising a plurality of selectable graphical identifiers each of which is associated with a respective one or more of said plurality of element characteristics and associated with a different unique rendering color that is used when rendering said respective selectable graphical identifier when said respective one or more of said plurality of element characteristics associated with said respective selectable graphical identifier is selected for display, wherein each of said selectable graphical identifiers are responsive to user selection input for selection of said respective graphical identifier and are responsive to user de-selection input for de-selection of said respective graphical identifier; and

 an image rendering space which, for each selected graphical identifier, displays elements characterized by said respective one or more of said plurality of element characteristics associated with said selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said selected graphical identifier, and does not display elements characterized by said respective one or more of said plurality of element characteristics associated with any of said unselected graphical identifiers in said image rendering space of said display screen.

 14. A graphical user interface in accordance with claim 13, wherein: upon user selection input for selection of a newly selected graphical identifier, said image rendering space displays elements characterized by said respective one or more of said plurality of element characteristics associated with said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

85 15. A graphical user interface in accordance with claim 14, wherein:

said user selection menu displays said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

90 16. A graphical user interface in accordance with claim 13, wherein:
 upon user selection input for de-selection of a currently selected graphical identifier, any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers is removed from said image
95 rendering space.

 17. A graphical user interface in accordance with claim 16, wherein:
 said user selection menu re-displays said de-selected graphical identifier using a default color.

 18. A graphical user interface in accordance with claim 15, wherein:
 upon user selection input for de-selection of a currently selected graphical identifier, any element that is not characterized by said respective
5 one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers is removed from said image rendering space.

 19. A graphical user interface in accordance with claim 18, wherein:
10 said user selection menu re-displays said de-selected graphical identifier using a default color.

 20. A method for rendering graphical elements that are characterized by a plurality of element characteristics in an image rendering space of a
15 display screen, said method comprising the steps of:
 providing a plurality of selectable graphical identifiers each of which is associated with a respective one or more of said plurality of element characteristics and associated with a different unique rendering color that is used when rendering said respective selectable graphical identifier when
20 said respective one or more of said plurality of element characteristics

associated with said respective selectable graphical identifier is selected for display;

detecting selection and/or de-selection of any of said respective plurality of selectable graphical identifiers; and

for each detected selected graphical identifier, rendering elements characterized by said respective one or more of said plurality of element characteristics associated with said selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said selected graphical identifier.

21. A method in accordance with claim 20, further comprising the step of:

upon detection by said input interface of a newly selected one of any of said plurality of selectable graphical identifiers that are not currently selected, rendering elements characterized by said respective one or more of said plurality of element characteristics associated with said newly selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said newly selected graphical identifier.

22. A method in accordance with claim 21, further comprising the step of:

re-rendering said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

23. A method in accordance with claim 20, further comprising the step of:

upon detection by said input interface of de-selection of any currently selected graphical identifiers, removing from said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers.

55 24. A method in accordance with claim 23, further comprising the
step of:
 re-rendering said de-selected graphical identifier using a default color.

 25. A method in accordance with claim 22, further comprising the
step of:
 upon detection by said input interface of de-selection of any currently
5 selected graphical identifiers, removing from said image rendering space of
said display screen any element that is not characterized by said respective
one or more of said plurality of element characteristics associated with any
of said remaining selected graphical identifiers.

10 26. A method in accordance with claim 25, further comprising the
step of:
 re-rendering said de-selected graphical identifier using a default color.

 27. A method in accordance with claim 20, further comprising the
15 step of:
 rendering any element that is not characterized by said respective
one or more of said plurality of element characteristics associated with any
of said selected graphical identifiers in said image rendering space of said
display screen using a default rendering color that is different from any of
20 said different unique rendering colors associated with any of said selected
graphical identifiers.

 28. A method in accordance with claim 27, further comprising the
step of:
25 upon detection by said input interface of a newly selected one of any
of said plurality of selectable graphical identifiers that are not currently
selected, re-rendering elements characterized by said respective one or
more of said plurality of element characteristics associated with said newly
selected graphical identifier in said image rendering space of said display
30 screen using said different unique rendering color associated with said newly
selected graphical identifier.

29. A method in accordance with claim 28, further comprising the step of:

35 re-rendering said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

30. A method in accordance with claim 28, further comprising the step of:

40 upon detection by said input interface of de-selection of any currently selected graphical identifiers, re-rendering in said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any
45 of said selected graphical identifiers using said default rendering color.

31. A method in accordance with claim 30, further comprising the step of:

50 re-rendering said de-selected graphical identifier using said default color.

32. A computer readable storage medium tangibly embodying program instructions implementing a method for rendering graphical elements that are characterized by a plurality of element characteristics in an
55 image rendering space of a display screen, said method comprising the steps of:

providing a plurality of selectable graphical identifiers each of which is associated with a respective one or more of said plurality of element characteristics and associated with a different unique rendering color that is
60 used when rendering said respective selectable graphical identifier when said respective one or more of said plurality of element characteristics associated with said respective selectable graphical identifier is selected for display;

65 detecting selection and/or de-selection of any of said respective plurality of selectable graphical identifiers; and

for each detected selected graphical identifier, rendering elements characterized by said respective one or more of said plurality of element characteristics associated with said selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said selected graphical identifier.

33. The computer readable storage medium of claim 32, further comprising the step of:

upon detection by said input interface of a newly selected one of any of said plurality of selectable graphical identifiers that are not currently selected, rendering elements characterized by said respective one or more of said plurality of element characteristics associated with said newly selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said newly selected graphical identifier.

34. The computer readable storage medium of claim 33, further comprising the step of:

re-rendering said newly selected graphical identifier using said different unique rendering color associated with said newly selected graphical identifier.

35. The computer readable storage medium of claim 32, further comprising the step of:

upon detection by said input interface of de-selection of any currently selected graphical identifiers, removing from said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers.

36. The computer readable storage medium of claim 35, further comprising the step of:

re-rendering said de-selected graphical identifier using a default color.

37. The computer readable storage medium of claim 35, further comprising the step of:

5 upon detection by said input interface of de-selection of any currently selected graphical identifiers, removing from said image rendering space of said display screen any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said remaining selected graphical identifiers.

10 38. The computer readable storage medium of claim 37, further comprising the step of:

re-rendering said de-selected graphical identifier using a default color.

15 39. The computer readable storage medium of claim 32, further comprising the step of:

rendering any element that is not characterized by said respective one or more of said plurality of element characteristics associated with any of said selected graphical identifiers in said image rendering space of said display screen using a default rendering color that is different from any of said different unique rendering colors associated with any of said selected graphical identifiers.

20 40. The computer readable storage medium of claim 39, further comprising the step of:

25 upon detection by said input interface of a newly selected one of any of said plurality of selectable graphical identifiers that are not currently selected, re-rendering elements characterized by said respective one or more of said plurality of element characteristics associated with said newly selected graphical identifier in said image rendering space of said display screen using said different unique rendering color associated with said newly selected graphical identifier.

30 41. The computer readable storage medium of claim 40, further comprising the step of:

35 re-rendering said newly selected graphical identifier using said
different unique rendering color associated with said newly selected
graphical identifier.

40 42. The computer readable storage medium of claim 40, further
comprising the step of:

upon detection by said input interface of de-selection of any currently
selected graphical identifiers, re-rendering in said image rendering space of
said display screen any element that is not characterized by said respective
one or more of said plurality of element characteristics associated with any
45 of said selected graphical identifiers using said default rendering color.

43. The computer readable storage medium of claim 42, further
comprising the step of:

re-rendering said de-selected graphical identifier using said default
50 color.